

PALOMAR ENERGY PROJECT (01-AFC-24)
CEC STAFF DATA REQUEST NUMBER 111

Technical Area: Visual Resources

Response Date: April 8, 2002

REQUEST:

Please provide three electronic copies of the CSVP modeling files used in the CSVP plume analysis that was summarized in the AFC Data Adequacy Supplement. Also please provide three electronic copies of the raw meteorological data, prior to processing, with an indication of its format (i.e. CD144, etc.).

RESPONSE:

Three copies of the requested data provided on CD-ROM have been provided along with this submittal. The raw meteorological data (prior to processing) is in CD144 format. The data included in the “zip” file includes:

1. CSVP input file for no duct firing scenario: “NODEF_ORG.PRN”
2. CSVP input file for ENSR modified program csvpENSR.for. “CSVPnoDF.PRN”
3. CSVP output file for ENSR modified program csvpENSR.for. “CSVPnoDF.DAT”
4. “Raw” CD144 format meteorological data for Miramar MCAS, 1997-1999. “MMRyy.FIL”. Missing temperature and relative humidity data have NOT been replaced. Individual files are given for each year.
5. A revised version of CSVP called “CSVPENSR.for” that was modified to facilitate model use and output interpretation but did not change any technical aspect of the model. The following modifications were made to CSVP:
 - a. Input file: Instead of the 1/0 flag (variable IDAY) for daytime in the input file, the IDAY variable was replaced with the variable IGOOD that is a 1/0 flag for a “good” hour. A good hour is defined as a daytime, winter, non-precipitation hour. Daytime is defined as 30 minutes or more of daylight in the given hour. The IGOOD variable must be computed externally and merged into the input file.
 - b. Input file: Contains a header record to identify the input columns as a QA aid. The header record is ignored in the program.
 - c. Progress Meter: A variable accumulates the number of “good” hours and prints as part of the screen progress meter during execution.

Summary Total: At the conclusion of the run, the number of “good” hours is listed in the output file.